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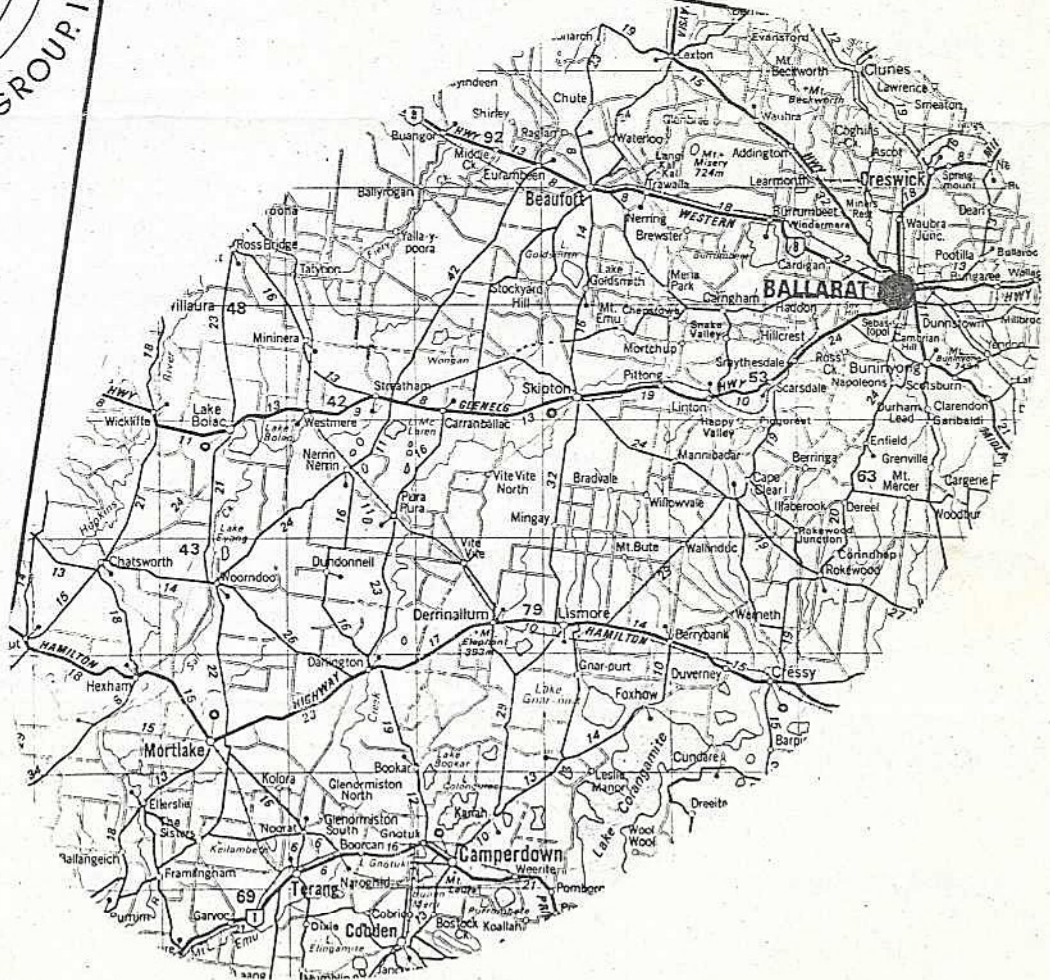
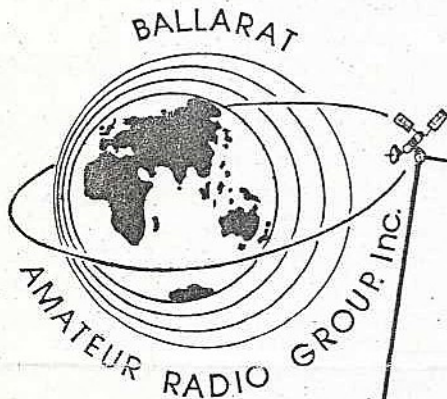
FOUNDED 1910

WIRELESS INSTITUTE OF AUSTRALIA



B.A.R.G. NEWS

© Monthly Newsletter of the
Ballarat Amateur Radio Group





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	David McConnell	VK3YNB		
NEWSLETTER EDITOR	Norm D'Angri	SWL	341613	

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REPEATERS: VK3RBA - 146.750 MHz. Voice. Mt. Buninyong. (Ch. 3)
VK3RBS - 146.900 MHz. Voice. Smeaton Hill. (Ch. 6)
VK3RPC - 147.600 MHz. Packet Mt. Warrenheip
VK3RBU - 438.475 MHz. Voice. Mt. Hollowback

CLUB NET: Thursday nights at 8 pm. (8.30 pm. during daylight saving)
Freq. - 3.610 MHz. +/- QRM.

FOX HUNTS: Monday nights at 7.30 pm.
Freq. - 146.500 MHz. Meet at Education Centre - Hopetoun St.

2 METRE SCRAMBLE: Sunday nights at 7.50 pm.
Freq. - 146.425 MHz. to 146.600 MHz. Call back on VK3RBA.

MEETINGS: Last Friday of every month at 7.30 pm. at
Ballarat Community Education Centre
Hopetoun St. Ballarat.

CORRESPONDENCE: Please address all correspondence to:

THE SECRETARY
B. A. R. G. INC.
BOX 1261
BAL MAIL CENTRE
VIC 3354





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PRESIDENT'S REPORT

Well we have just had a very busy month, and most of us are probably glad that it is almost over.

I was given some scramble logs at the last meeting and an update of the progressive scores is provided below. The last scramble was run over a 5 minute time period to help spread the logs scores. On the previous weekend just about all the participants obtained equal scores. It seems that we are becoming too good for our boots and the shorter contest time may help to add some urgency to those "CQ SCRAMBLE" calls.

A reminder that the May meeting is the B. A. R. G. annual Junk/Treasure auction/sale and everybody is welcome to bring the junk they bought at last years affair to recycle around the district's radio shacks.

At the March meeting it will be suggested that anyone bringing along gear for sale that does not come under the 'junk' category, should possibly drop a line to the Newsletter Editor so that it may be included in a 'for sale' page to advise readers of any gear (i.e. Transceivers, Computers, Modems, Aerials etc.) that will be there for inspection.

This coming month is pretty quiet, activity wise, but with Easter on the way it will be a chance to get some serious H.F. operating under way, and knowing my luck there will be a solar flare on Good Friday and it will affect DX for the next four days.

See you at the meeting, Happy Easter and 73

TOM VK3DMK...

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SCRAMBLE RESULTS UPDATE

VK3KAY	271
VK3DCS	209
VK3FMC	187
VK3DOK	181
VK3VEJ	172
VK3CIS	99
VK3JAT	83
VK3DET	30

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NOTE NEW MAILING ADDRESS:

THE SECRETARY
B. A. R. G. INC.
BOX 1261
BAL MAIL CENTRE
VIC 3354

MINUTES OF GENERAL MEETING HELD 28th FEBRUARY 1992.

MEETING OPENED by President Tom VK3 DMK at 7.55pm. Tom welcomed 33 members and 2 visitors Wendy and Danny to the meeting.

APOLOGIES VK# DET, KIT, AXH, FR, DS, PDB, SE, NIZ, CUH, KGL.

MINUTES as circulated were confirmed. CAZ/EF.

CORRESPONDENCE IN Enquiry from VK3NFJ requesting information on Awards.

CORRESPONDENCE OUT DOTC asking permission to use BML callsign at contest.

TREASURERS REPORT. Harry KGL unable to attend. Club still financial.

CLUB NET Now that summertime is finished Net will start at 8.00pm.

EDUCATION 9 students have enrolled for NAOCP course.

TECHNICAL Merv KAW reported that the UHF repeater will be installed at Mt. Hollowback as soon as other works on the site are completed. The 432mhz Beacon is temporarily off air. MERV WOULD LIKE TO HEAR FROM ANYONE WHO COULD ASSIST IN MAKING UP SOME CAVITIES. PHONE HIM ON 31 1317.

WICEN A busy month with the Begonia Fun Run and the Begonia Car Rally. Charley DCS is again organising a display at the Festival and Geoff ADB is handling the John Moyle Contest.

GENERAL BUSINESS. A draft of an information sheet was circulated for comment prior to getting copies printed to hand out at the Festival Exhibition. We have had to take this step as the WIA were unable to supply us with any literature.

It is reported that numbers of TV antennas are going to the Tip, it could be worth a trip if you are making UHF or VHF antennas.

MEETING CLOSED at 8.25pm.

73s Jim CFB.

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NEXT BARG MEETING will be held on March 27th. Education Centre at 7.30pm.

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If you want an address to send an overseas QSL card direct I have the Clubs American and International Callbooks. Just give me a ring on 32 7563 and I will give you the information.

Jim CFB.

DICTIONARY

BARGAIN Something you have to find a use for once you've bought it.

(See you at the May Auction night.)

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THE BEGONIA FESTIVAL AND AMATEUR RADIO



VK3BML
CLUB STATION OF
B.A.R.G. (Inc.)
AUSTRALIA.



CONFIRMING QSO
WITH
AMATEUR RADIO STATION _____

DATE	TIME (GMT)	FREQ.	MODE	R	S	T
D. M. Y.	hrs.	MHz				

At the February meeting it was decided that, once again, we would have a public relations display of Amateur Radio at the Begonia Festival over the Labour Day weekend.

The site and power were arranged by Doug VK3KAY. This year we had the advantage of an excellent site, and once again Jeff VK3PAP supplied the large Scout tent which was erected on Thursday afternoon by Norm, Doug, John and myself.

The stations were very basic, consisting of an FT101B with a 20M dipole, and a packet station using a Commodore 64 and a D.S.E. Commander. The reason for the simple stations was to show people that it does not take big dollars to get into Amateur Radio.

By mid-morning we were ready, and people started coming in to see what it was all about.

There were many questions asked about WICEN, the WIA, classes and costs, and pamphlets and other information were handed out to anyone that showed more than a passing interest.

The exercise went for 3 days, from approx. 10 A.M. to 6 P.M. I believe that it was a worthwhile exercise and I expect to see new people at our future meetings.

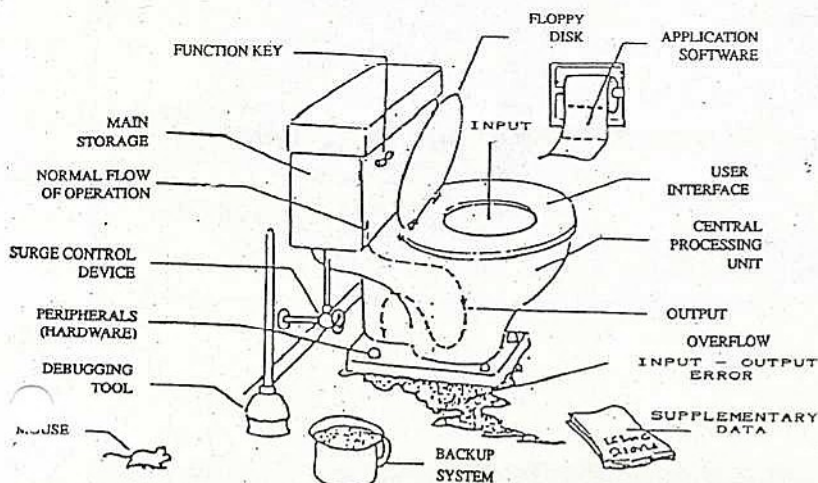
We had a few operators from other clubs and other places come in to say Hi! My thanks to Tom, Richard, Norm, Doug and John, without their help we would not have managed. Many thanks also to Dick and Mary and all other members that dropped in to help.

My thanks also to Barry Wilkins, the Festival organiser, who made the site available.

CHARLIE VK3DCS

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UNDERSTANDING COMPUTERS - FOR COMPLETE SIMPLETONS



THE ABOVE DIAGRAM IS A SIMPLIFIED DIAGRAMMATIC TO HELP EXPLAIN A BASIC COMPUTER.

WANTED

1. QTH GRID SQUARE PROGRAM FOR COMMODORE 64.
2. ROCKS TO SUIT IC 215. FOR VK3RMM AND VK3RCV

VK3XDQ - QTHR.
(054) 762689

DANGER - HIGH VOLTAGE

*This is the tale of McPoostoe the cat,
A saga of brave deeds and daring.
It's a tale of the tail, boys, which once saved the day;
The tale of the tail he was wearing.*

*Now, McPoostoe was owned by a Radio Ham
Who one day, just by chance, on a trip
Discovered his cat had a thousand volt drop
'Cross his tail, from the root to the tip.'*

*Now, Radio Hams (or at least so it seems)
Are a specialised type, who, I hear
Are on the alert for a new source of power
To operate their Portable Gear !*

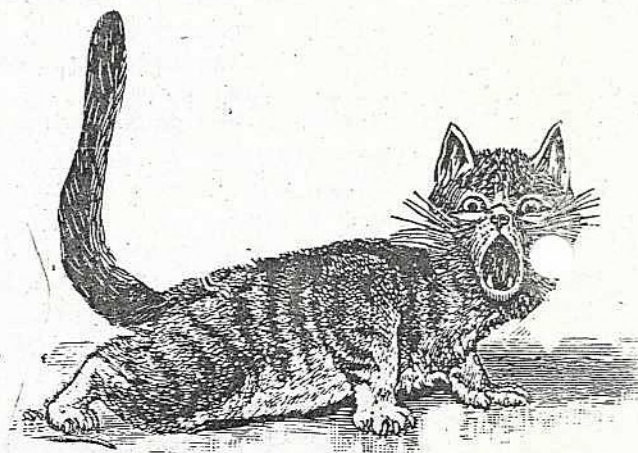
*So McPoostoe the cat was put in a cage,
Electrodes were tied on with care,
And the juice was piped off to the Radio Shack
To fire up the gear that was there.*

*And when the flood came, and the power was off,
And the panic was on without fail,
This Radio Ham with his rig saved the day
With the juice from McPoostoe's fine tail.*

*But McPoostoes gone west now, he's with us no more,
And I'll bet you are wondering why ---
While courting one night in a yard down the block,
He shorted his Power Supply !*

----- W7FPP

Published in Radio & Hobbies May 1943.



The EARTH moved !



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(OPEN 10AM - 5 PM 7 DAYS A WEEK)

FEATURES

- GRAMOPHONES • VINTAGE RADIOS • VISITORS PARTICIPATION
- MEMORABILIA • AUDIO DISPLAYS • DEMONSTRATIONS • CRYSTAL SETS

The "Orpheus Radio Museum" is operated by Richard and Sonja Wilson.
The collection includes their private collection, the 3BA collection and other items on loan to the museum.

The museum is run with the idea of preserving the history of radio in Australia and making it accessible to the public.

If anyone has any information or items of interest to the museum, would they please contact, or write to, the "Orpheus Radio Museum" RSD 898, Ballarat 3352. Telephone (053) 34 2513.

Let the public enjoy your piece of Radio History.

IT'S A FACT

When you have a need to 'touch wood' is when you realise that the world is composed of aluminium and plastic.

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WANTED KNOWN



FRIDAY 27th. MARCH

March B. A. R. G. Meeting night.

FRIDAY 24th. APRIL

April B. A. R. G. Meeting night.

FRIDAY 29th. MAY

May B. A. R. G. Meeting night. Junk / Treasure auction night.

Pre-advertise your better type gear in next months newsletter by forwarding the details to

Norm D'Angri
29 Lawrence St.
Alfredton.
Vic. 3350

Also include some articles for publication if you have any.

PLEASE NOTE:

Owing to closure of the Ballarat East Post Office the new address for B. A. R. G. is:

THE SECRETARY
B. A. R. G. INC.
BOX 1261
BAL MAIL CENTRE
VIC 3354

Note: No P. O. before BOX. BAL not BALLARAT.

DON'T FORGET

The duration of the Sunday night scramble has now been reduced to FIVE minutes and competition is keen. Why not join in and make it even keener ?



B. A. R. G. AWARDS.

B. A. R. G. AWARDS AND REQUIREMENTS.

GOLDRUSH AWARD - Work 10 members of B. A. R. G. Cost is \$3.00.

DX WIDOWS AWARD - No contacts needed, just the name of XYL or YL. Cost \$2.00

WESTERN DISTRICT AWARD - Work 10 stations in the Western District.

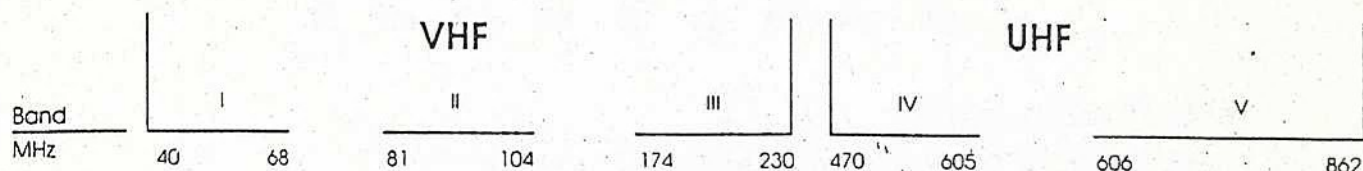
Note: As Ballarat is in the Western District you can qualify by working 10 Ballarat stations. Cost is \$2.00.

APPLICATIONS: Applications for all of the above awards can be made through the Awards Manager: MAURIE BATT VK3XEX

RSD ROKEWOOD JUNCTION
VICTORIA 3351



AUSTRALIAN TELEVISION CHANNEL FREQUENCIES



VHF STATIONS

Channel	Frequency Limits	Vision Carrier	Sound Carrier
0	45 - 52 MHz	46.25 MHz	51.75 MHz
1	56 - 63 MHz	57.25 MHz	62.75 MHz
2	63 - 70 MHz	64.25 MHz	69.75 MHz
3	85 - 92 MHz	86.25 MHz	91.75 MHz
4	94 - 101 MHz	95.25 MHz	100.75 MHz
5	101 - 108 MHz	102.25 MHz	107.75 MHz
5A	137 - 144 MHz	138.25 MHz	143.75 MHz
6	174 - 181 MHz	175.25 MHz	180.75 MHz
7	181 - 188 MHz	182.25 MHz	187.75 MHz
8	188 - 195 MHz	189.25 MHz	194.75 MHz
9	195 - 202 MHz	196.25 MHz	201.75 MHz
10	208 - 215 MHz	209.25 MHz	214.75 MHz
11	215 - 222 MHz	216.25 MHz	221.75 MHz

AUSTRALIAN COLOUR TV TRANSMISSION STANDARDS

Channel width:
7MHz vestigial sideband transmission

Vision Carrier:
1.25MHz above lower frequency edge of channel

Sound Carrier:
5.4996MHz above vision carrier

Vision Modulation:
Negative amplitude modulation

Lines per Picture:
625 lines, interlaced 2:1

Line Frequency:
15.625Hz

Aspect Ratio:
4.3

Hor. Sync Pulse:
4.5us-4.9us with 0.2-0.4us rise time

Hor. Sync Pulse Amplitude:
100% carrier amplitude

Front Porch:
Line blanking interval - (front porch + sync pulse)

Line Blanking Interval:
11.8-12.3us

Black and Blanking Level:
77% of peak carrier level

White Level:
20% of peak carrier level

Pre-equalisation pulse interval:
2.5H (H=line period, 64us)

Post-equalisation pulse interval:
2.5H

Field sync pulse interval:
2.5H

Field Blanking Interval:
2.5H + 12us

Ratio Peak vision carrier power
Ratio Peak Sound carrier power
10:1

Sound Modulation:
Frequency Modulation

Sound Deviation:
+/- 50KHz

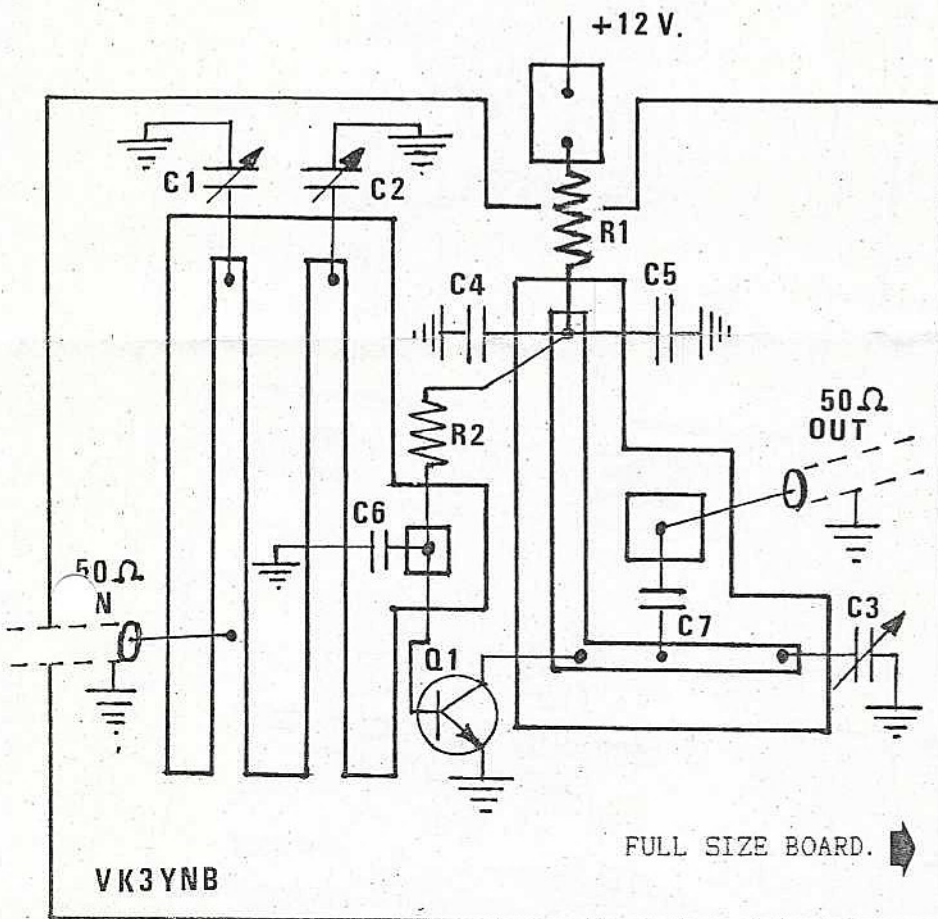
UHF STATIONS

Channel	Vision Carrier Frequency (MHz)	Frequency Limits (MHz)
Band IV		
28	527.25	526-533
29	534.25	533-540
30	541.25	540-547
31	548.25	547-554
32	555.25	554-561
33	562.25	561-568
34	569.25	569-575
35	576.25	575-582
36	583.25	582-589
Band V		
37	590.25	589-596
38	597.25	596-603
39	604.25	603-610
40	611.25	610-617
41	618.25	617-624
42	625.25	624-631
43	632.25	631-638
44	639.25	638-645
45	646.25	645-652
46	653.25	652-659
47	660.25	659-666
48	667.25	666-673
49	674.25	673-680
50	681.25	680-687
51	688.25	687-694
52	695.25	694-701
53	702.25	701-708
54	709.25	708-715
55	716.25	715-722
56	723.25	722-729
57	730.25	729-736
58	737.25	736-743
59	744.25	743-750
60	751.25	750-757
61	758.25	757-764
62	765.25	764-771
63	772.25	771-778
64	779.25	778-785
65	786.25	785-792
66	793.25	792-799
67	800.25	799-806
68	807.25	806-813
69	814.25	813-820

* Reserved for radionavigation.

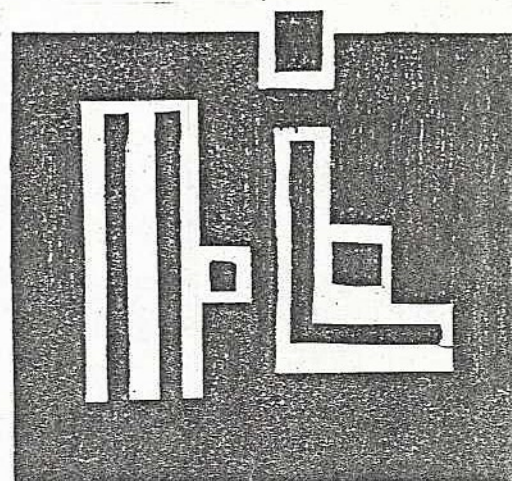
UHF PRE-AMP

9



- C1 - 3 1 - 9 pF Trimmers
- C4 220 pF
- C5 - 7 .001 μ F
- R1 220 Ω
- R2 100 k Ω
- Q1 MRF901 or Sim.

Copper Side.



FT-757GXII ALL MODE H.F. TRANSCEIVER

Always ready for action! Whether you're in a demanding H.F. mobile situation, or at home in the shack, the FT-757GXII won't let you down. Based on its popular predecessor (the 757GX), the GXII features the same heavy duty die-cast heatsink and rugged metal chassis for long term reliability. As well, it offers even easier to use controls and new features such as a pushbutton mode selector and IF notch filter.

- All mode operation - SSB, CW, AM, FM (160m-10m)
- 100 watt output on SSB, CW, FM (25W AM) at 100% duty cycle
- High performance general coverage receiver - 150kHz to 30MHz
- Dual VFO's with single button VFO/memory swap functions
- Memories store freq & mode and allow band scanning between adjacent memories
- Inbuilt 600Hz CW filter, IF shift and IF notch filters, variable noise blanker, speech processor, iambic CW keyer and SWR meter.

Cat D-3492



Now Only
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2 Year Warranty

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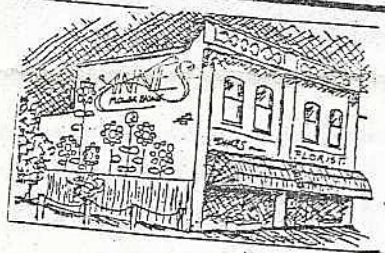
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